

The TIDAL™ 0.75m CAN buoy is an economical unlit marker. Available in CAN and CONICAL versions, it is ideal for marking channels. The CAN version in Cautionary Yellow is used as a boundary marker for marine works.

KEY FEATURES

- Economical Unlit Marker Buoy
- Rugged Polyethylene Construction
- Internal Ballast allows use in Shallow Water
- 100% Foam Filled with large Handling Eye
- 100% Recyclable after a long service life

MANUFACTURED TO LAST

Virgin colour compounded UV-20 polyethylene designed and tested to provide long-lasting colour fade and impact resistance. Completely foam filled to prevent water ingress if the buoy is damaged.

VERSATILE

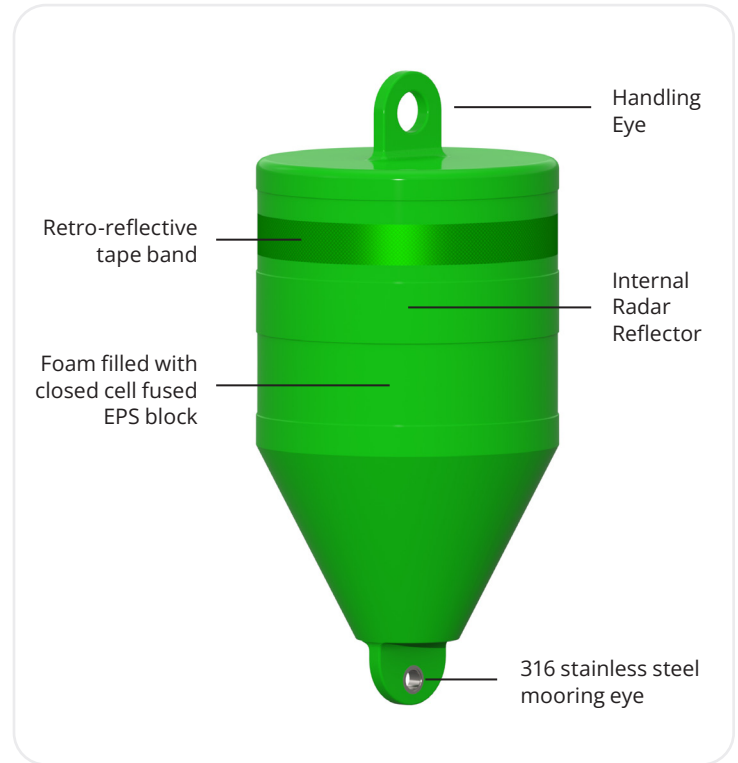
The operational buoyancy range allows this buoy to be deployed with chain mooring in depths from 3m (10') to 35m (115').

LARGE HANDLING EYE

The large handling eye is convenient for personnel in deployment and maintenance activities. This unlit channel marking buoy is ideal for marking channels that change course due to silting and the buoys must be moved.

COLOUR CONFIGURATION

Available to meet the requirements of all IALA Colour / Configuration. Recommendations with top marks and self-contained lanterns.



RECYCLING AND REUSE

All TIDAL™ buoys are manufactured solely with materials that are readily recyclable; items like the radar reflector are designed and secured so they can be re-used. Call to discuss how you or TIDAL™ can recycle your buoys.



GENERAL SPECIFICATIONS

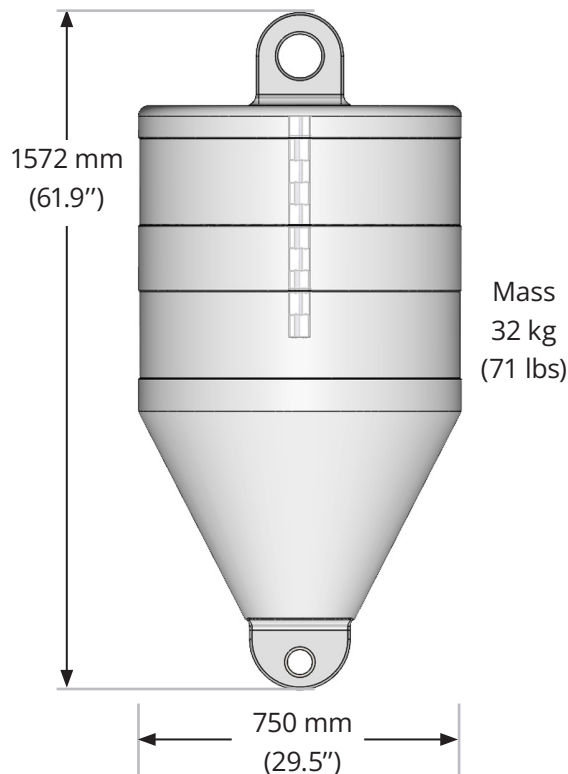
Diameter	29.5 in	0.75 m
Height	61.9 in	1.57 m
Mass	71 lbs	32 kg
Hull Floatation Volume	14.7 ft ³	0.416 m ³
Submergence (Freshwater)	24.7 lbs/in	4.42 kg/cm
Max. Mooring Mass (Air Weight)	353 lbs	160 kg
Min. Mooring Mass (Air Weight)	165 lbs	75 kg
Draught (at Min. Mooring Mass)	25.6 in	0.65 m
Reserve Buoyancy (at Maximum Mooring Mass)	236 lbs	107 kg

PERFORMANCE SPECIFICATIONS

Visible Height (at Min. Mooring Mass)	36.2 in	0.92 m
Visual Area / Surface (at Max Visible Height)	6.03 ft ²	0.56 m ²
Distance of Recognition (at Max. Visible Height)	0.41 NM	0.77 Km
Radar Range	0.35 NM	0.65 Km
Internal Radar Reflector (RCS: Peak / Average over 360°)	2 m ²	

MATERIAL SPECIFICATIONS

Topmark	Conical top version
Buoy Hull	Virgin MDPE with UV20 protection package
Wall Thickness	5/16 in 9 mm
Foam Filling	Closed cell EPS fused in situ block
Mooring eye	316 stainless steel
Colours	Compliance with IALA Recommendation R0108
IALA Compliance Testing	Independent laboratory test results available
Colourfastness Test Procedure	Xenon Arc Accelerated Weathering per ASTM D-2565
Colourfastness Testing	Independent test results available per ASTM D-2244
Product Life Expectancy	15 - 20 years
Warranty	5 years



Mooring Line Design

- Mooring design to optimize the performance of each buoy.
- Advanced 3D dynamic analysis of the mooring line and buoy.
- Supply of custom mooring lines with proven components.
- Catenary, inverse-catenary, chain, and synthetics.

Our advanced modelling software can perform dynamic analysis of the interaction between the mooring line and the buoy in normal "operating" conditions to assess and optimize buoy performance. Importantly, this dynamic analysis is also used to assess performance across a range of "survival" conditions.

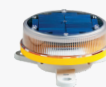
M550



M650



M660



We carry a wide range of self-contained and externally powered lights for navigation buoys from world leaders such as Sabik, Sealite, Ekta, and Vega.

Depending on the size and use of the buoy, we offer options such as AIS Type I or Type II, remote monitoring & control, and on-board solar power systems.

PERFORMANCE SUMMARY

